STRONG
DIGITAL TV

Digital Terrestrial Receiver SRT 5216

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User manual

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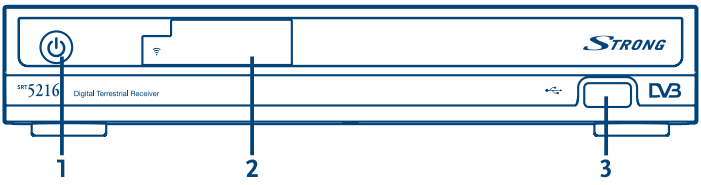

Fig. 1

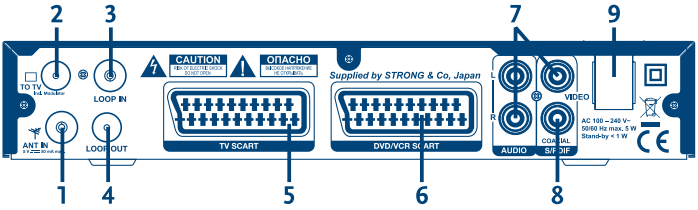

Fig. 2

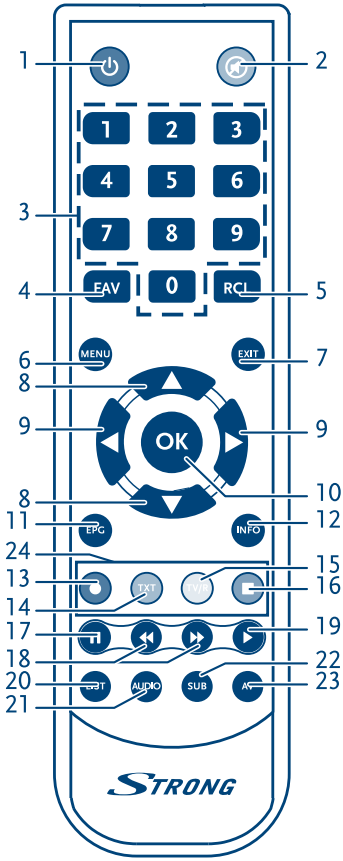

Fig. 3

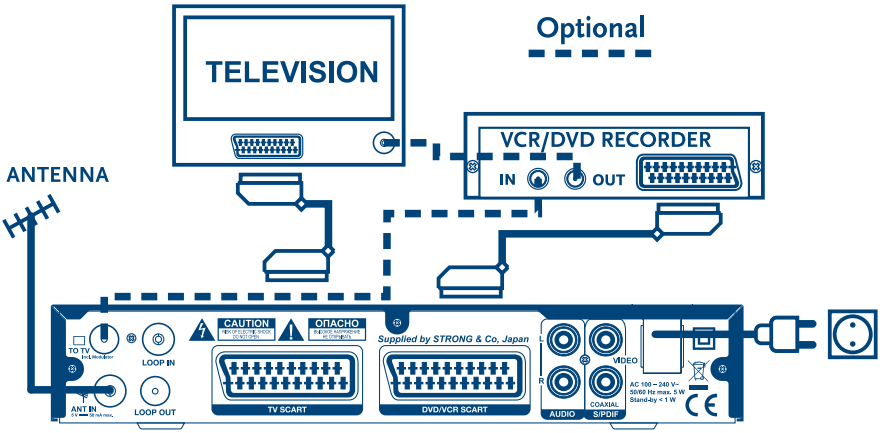

Fig. 4

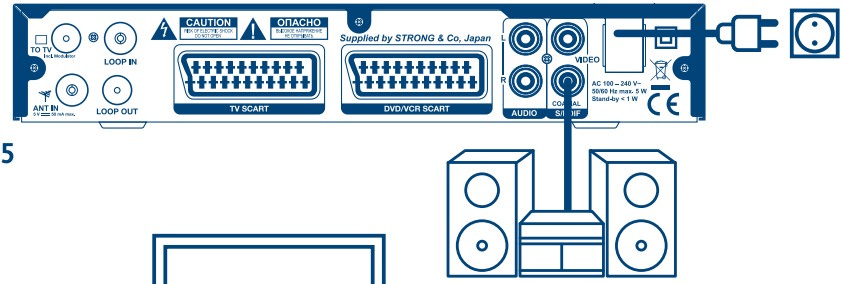

Fig. 5

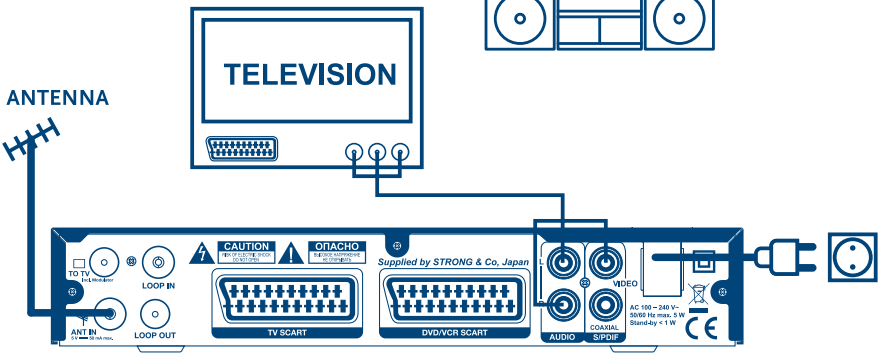

Fig. 6

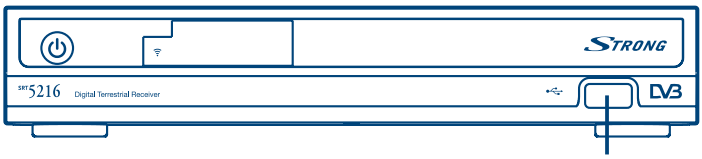

Fig. 7

STRONG DIGITAL TV

English

TABLE OF CONTENTS

1.0 INSTRUCTION 2
- 1.1 Safety Instructions 2
- 1.2 Storage 3
- 1.3 Equipment Set-up 3
- 1.4 Accessories 3

2.0 YOUR RECEIVER 3
- 2.1 PIN-CODE DEFAULT: 0000 3
- 2.2 Front Panel 3
- 2.3 Rear Panel 4
- 2.4 Remote Control 4

3.0 CONNECTION 4
- 3.1 Connecting to a Terrestrial Antenna 4
- 3.2 Connecting to TV and DVD/Video Recorder 5
- 3.3 Connecting to a Digital Audio Amplifier 5
- 3.4 Connecting to RCA (Audio L/R, Video) 5
- 3.5 Connecting a USB storage device 5

5.0 MAIN MENU 5
- 5.1 Channel 5
- 5.2 Installation 6
- 5.3 Setup 7
- 5.4 Tools 8
- 5.5 Media+ 9

6.0 OPERATION 10
- 6.1 Changing Channels 10
- 6.2 Accessing the Electronic Program Guide (EPG) 10
- 6.3 Accessing the favourite channels 11

A.1 TROUBLESHOOTING 11

A.2 TECHNICAL SPECIFICATIONS 11

STRONG declares that this item complies with the basic requirements and other relevant regulations of directives CE 2004/108/EEC and 73/23EEC, RoHS 2002/95EEC

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HOTLINE
0180 501 49 91*
* €0,14/Min. from German wired line
* €0.42/Min. max. from mobile network
0820 400 150*
* €0,12/Min. from Austrian wired line
0826 029 928*
* €0,14/Min. from French wired line

per March 2010

1.0 INSTRUCTION

1.1 Safety Instructions

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of not isolated dangerous voltage with the inside of the product that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

Read All Instructions — Before you use the product, read all operation instructions, For more information on accessories such as the lithium ion battery, refer to the manuals provided with those products.
Save These Instructions — Save all safety and operating instructions for future reference.
Heat Warnings — Read carefully and follow all warning labels on the product and those described in the instructions.
Follow Instructions — Follow all instructions provided with this product.
Cleaning — Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.
Attachments — For your safety, and to avoid damaging the product, use only accessories recommended by STRONG.
Water and Moisture — Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement. swimming pool or in the rain)
Location — To avoid damage to the product and prevent personal injury, never place this product on an unstable stand, tripod, bracket, Follow the instructions that describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer.
Power Sources — Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company.
Refer to instruction pages for information on using the product with a battery.
Grounding, Polarization — If this product is used with a specified AC adapter, the adapter may be equipped with a polarized alternating current line plug (a plug with one blade wider than the other). This safety feature allows the plug to fit into the power outlet only one way, If you cannot insert the plug into the wall outlet, pull it out, reverse it, and have the receptacle replaced.
Ventilation — Slots and openings – They are provided for ventilation to ensure reliable operation of the receiver and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the receiver on a bed, sofa, rug, or heat register. This receiver should not be placed in a built — in installation such as a book case or rack, unless proper ventilation is provided. Ensure that free airflow is maintained around the receiver.
Protecting the Power Cord — The power supply cord should be placed so it will not be walked on. Never put a heavy object on the power cord or wrap it around the leg of a table or chair. Keep the area around the power cord connection points, at the power outlet, and at the product connection, free of all AC adapter or accessory power cords.

GENERAL PRECAUTIONS - SAFETY PRECAUTIONS
Lightning — If a lightning storm occurs while using a specified AC adapter, remove it from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the receiver when the receiver is not in use.
Overloading — Never overload wall outlets, extension cords, power strips, or other power connection points with too many plugs.
Foreign Objects, Liquid Spillage — To avoid personal injury caused by fire or electrical shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage.
Heat — Never use or store this product near any heat source such as a radiator heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers.
Servicing — Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.
Damage Requiring Service — If you notice any of the conditions described below while using a specified AC adapter. unplug it from the wall outlet and refer servicing to qualified service personnel:

1. Liquid has been spilled onto the product or some other object has fallen into the product.
2. The product has been exposed to water.
3. The product does not operate normally despite following operating instructions. Adjust only the controls described in the operating instructions ad improper adjustment of other controls could damage the product and require extensive repair word by a qualified technician.
4. The product has been dropped or damaged in any way.
5. The product exhibits distinct change in performance.

Replacement Parts — When replacement parts are required, mare sure that the authorized service centre uses only parts with the same characteristics as the originals, as recommended by the manufacturer. Unauthorized substitution of parts could result in fire, electrical shock, or create other hazards.

Safety Check — Upon completion of servicing or repairs, ask the service technician to perform safety checks to determine that the product is in good working order.
Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
Where the mains plug or all — pole mains switch is used as the disconnect device, the disconnect device shall remain readily operable.
Remote control transmits a directional infrared beam. Ensure to aim the remote control directly at the infrared sensor of the unit during operation. If the sensor has been covered or there is a large object between the RCU and sensor or it is exposed to direct sunlight or a strong artificial light (fluorescent or strobe light) the sensor may not be able to receive the remote signal. In this case, change the direction of the light or reposition the unit.

1.2 Storage

Your receiver and its accessories are stored and delivered in a packaging designed to protect against electric shocks and moisture. When unpacking it, make sure that all the parts are included and keep the packaging away from children.
When transporting the receiver from one place to another or if you are returning it under warranty make sure to repack the receiver in its original packaging with its accessories. Failing to comply with such packaging procedures could void your warranty.

1.3 Equipment Set-up

We recommend you consult a professional installer to set up your equipment. Otherwise, please follow these instructions carefully:

- Refer to the user manual of your TV and your antenna.
- Make sure that the SCART cable and outdoor components of the antenna are in a good condition and the SCART connections are well shielded.

This manual provides complete instructions for installing and using this receiver.

The following symbols will serve as follow.

WARNING	Indicates warning information.
Tips	Indicates any other additional important or helpful information.
MENU	Represents a button on the remote control. (**Bold Character**)
Move to	Represents a menu item within a window. (*Italic Character*)

1.4 Accessories

- 1 User Manual
- 1 Remote control unit
- 2x Batteries (AAA type)

Note: The batteries should not be recharged, disassembled, electrically short-circuited or be mixed or used with other types of batteries. If rechargeable accumulators instead of batteries are going to be used, we recommend using (e.g. NiMH) types with low self-discharge to ensure long time operation of remote control.

2.0 YOUR RECEIVER

2.1 PIN-CODE DEFAULT: 0000

2.2 Front Panel

Fig. 1

1. **Power *ON*/STANDBY button**
   In case RED light is shown it indicates that the receiver is in STAND-BY mode, in OPERATING mode there is no light shown.
2. **4 digits display**
   Indicates current channel number in OPERATING mode
3. **USB**
   Connector for USB devices

2.3 Rear Panel

Fig. 2

1. **ANT IN** To connect an antenna for reception of broadcasting signal. Supports active antennas with 5V DC.
2. **TO TV (inc. modulator)** To connect to the terrestrial antenna input of your TV set. or e.g. VCR/DVD recorder. This connection will allow you to watch analogue & digital terrestrial broadcasts
3. **LOOP IN** modulator loop through input.
4. **LOOP OUT** To connect to the LOOP IN
5. **TV SCART** To connect your receiver with your TV set using a SCART cable.
6. **DVD/VCR SCART** To connect to a Video or DVD recorder
7. **Audio L/R and Video Connector** To connect your receiver with your TV set using an A/V cinch cable.
8. **S/PDIF Coaxial** To connect your receiver to a digital audio amplifier.
9. **Power Cord** Your receiver requires a voltage of 100-240V AC (Auto-selectable), 50/60Hz +/-5%. Make sure to check the power specification before connecting your receiver to the wall outlet.

2.4 Remote Control

Fig. 3

1. ⏻ Turns the receiver On/Standby
2. 🔇 Mutes audio output of the receiver
3. **0–9** Channel selection or value input
4. **FAV** Favourite group selection
5. **RCL** Back to previous shown channel
6. **MENU** Opens the main menu/ To get back one step in the menu
7. **EXIT** Exits from the menu or sub-menu
8. ▲▼ Change channel to previous/next. In menu: Moves the cursor up/down.
9. ◀▶ Increases/decreases the volume level. In menu: Change value for selected setting
10. **OK** Displays the current channel list In menu: Activates the highlighted menu item.
11. **EPG** Shows the EPG (Electronic Program Guide) in TV mode
12. **INFO** Shows the actual channel information
13. ● Records the TV program to the connected storage device
14. **TXT** Shows teletext on OSD (On Screen Display)
15. **TV/R** Toggles between TV and RADIO mode
16. ■ STOP
17. ❚❚ Pause
18. ◀◀, ▶▶ Fast rewind / Fast forward
19. ▶ Play
20. **LIST** Shows a list of recordings on the connected USB storage device
21. **AUDIO** Sets the current audio channel to left, right or stereo
22. **SUB** Shows list of available subtitle languages
23. **AV** To switch between TV and VCR mode
24. **COLOURED BUTTONS** are for Teletext functions

3.0 CONNECTION

3.1 Connecting to a Terrestrial Antenna

Fig. 4

To receive the broadcast signal, the terrestrial antenna cable should be connected to the ANT IN connector at the back of the receiver.

3.2 Connecting to TV and DVD/Video Recorder

Fig. 4

The TV set should be connected with the receiver through a SCART cable (fig. 1). This terrestrial receiver may also be operated together with a VCR using the loop through function. The loop-through function of this terrestrial receiver is also active when it is in STBY mode*. As soon as the VCR is turned on, its video and audio signals are looped through the terrestrial receiver.

* Preconditioned the according option is switched on in the receiver menu!

Optional 1: using coaxial cable, connect TO TV output of the receiver to terrestrial input of your TV set. This will allow you to watch digital programs from your receiver on an analogue TV set.

Optional 2: using coaxial cable, connect TO TV output of the receiver to terrestrial input of your VCR and terrestrial output of VCR to terrestrial input of your TV set. This will allow you to record the digital program you are watching.

Optional 3: using coaxial cable, connect TO TV output of the receiver to aerial input of your VCR and terrestrial output of VCR to terrestrial input of your TV set. Using a short loop coaxial cable, connect the LOOP OUT output to the LOOP IN input at the back of your receiver. This allows you to watch and record analogue and digital terrestrial programs on your VCR.

3.3 Connecting to a Digital Audio Amplifier

Fig. 5

Connect your Digital Audio Amplifier with a suitable S/PDIF cable to the S/PDIF connector on the back of the receiver.

3.4 Connecting to RCA (Audio L/R, Video)

Fig. 6

Alternatively the receiver can be connected to the TV set with the RCA cinch connectors on the back of the receiver.

3.5 Connecting a USB storage device

Fig. 7

Note: We recommend the use of a hard disk drive with external power adapter for proper recording and play back of TV programmes. USB powered hard disk drives may not work properly on this receiver.

4.0 FIRST TIME INSTALLATION

If you use the receiver for the first time, the Easy Install menu appears. Use ◀▶ to change settings for setup of Region, OSD Language and Antenna Power and the ▲▼ to select. Then use ▲▼ to move focus to Search and press **OK** to proceed with the automatic channel scan.
In case the Easy Install menu does not appear after switching on the receiver, reset the receiver to factory settings by pressing the **MENU** button and selecting Load Factory Default in submenu Tools.

5.0 MAIN MENU

In viewing mode always press **MENU** to enter the Main Menu. It consists of following submenus: *Channel, Installation, Setup, Tools* and *Media+*

5.1 Channel

1. Use the ▲▼ buttons to select Channel and press **OK** to enter.
2. Use the ▲▼ buttons to highlight the desired item and press **OK** to select.
3. Press **EXIT** to exit.

Note: You can also press **OK** in TV mode to enter channel list.

5.1.1 TV Channel list

1. In Channel submenu select TV Channel List with the ▲▼ buttons and press **OK** to enter.
2. Use the ◀▶ buttons to change channel group (assumed you have already set up Favourite groups).
3. With the ▲▼ buttons select the channel you want to watch. With **OK** you can watch the selected channel in full screen mode.

5.1.1.1 Edit

Use this menu to favour, lock, skip, delete and rename channel list. Press numeric button **[1]** to enter *Edit* menu. To select one channel highlight it with ▲▼ or press **[0]** to select all channels. Selected channels will get marked. This way of selection can be executed for each of the edit functions.

- **Favor:** To add selected channel or all channels to a favourite group, press the **[1]** button. Use the ▲▼ to select a desired group and press **OK**. With ◀▶ select Yes in the confirmation window and press **OK** to save. Selected channels will get marked with folder symbol.
- **Lock:** To Lock channel or all channels press button **[2]**, with ◀▶ select *Yes* in the confirmation window and press **OK** to save. Selected channel/s will get marked with the 🔒 symbol.
- **Skip:** To Skip channel or all channels press button **[3]**, with ◀▶ select *Yes* in the confirmation window and press **OK** to save. Selected channel/s will get marked with the ➥ and will be skipped during channel zapping in full screen mode.
- **Delete:** To Delete channel or all channels press button **[4]**, with ◀▶ select *Yes* in the confirmation window and press **OK** to save.

If you have done all modifications, press **EXIT** to leave the edit mode.

5.1.1.2 Find

Press the **[2]** button to enter *Find menu.* Use the ▲▼◀▶ buttons to highlight desired letters or numbers and press **OK** to insert. After each character, the channel list will search the channel according your input and list the matched channel. Press **EXIT** to quit Find mode.

5.1.1.3 Sort

Press the **[3]** button to enter *Sort menu.* Use the ▲▼ buttons to highlight desired sort way and press **OK** to confirm.

Default:	Sorting by searched Order (from lowest to highest frequency).
Name (A-Z):	Sorting in Alphabetical Order.
Name (Z-A):	Sorting in Alphabetical Order.
FTA:	First in the list will be Free-To-Air channels.
Locked:	First will be listed all unlocked and then the locked channels.

5.1.1.4 Move

Press the **[4]** button to activate the *Move function*. The selected channel will be marked in a ⇕ symbol, use the ▲▼ buttons to move the selected channel to the desired position. With ◀▶ select *Yes* in the confirmation window and press **OK** to save.

5.1.2 Radio Channel list

Basically, the operation of *Radio Channel List* is the same as in *TV Channel List* only difference is that in *Radio Channel List* there is no video information, so it will always display the radio logo at the right preview screen.

5.1.3 Delete Favourites and Groups

Use this menu to delete all favourite channels. Select *Delete All Favourites and groups* with the ▲▼ and press **OK**, with ◀▶ select *Yes* in the confirmation window and press **OK** to delete or select *No* to cancel.

5.1.4 Delete all

Use this menu to delete all channels. Select *Delete All* with the ▲▼ and press **OK**, then enter the Password **(default: 0000)**. In the confirmation window select *Yes* with ◀▶ and press **OK** to delete or select *No* to cancel.

5.1.5 Group Rename

In this menu you can change favourite group name. Use the ▲▼ buttons to select *Group Rename* and press **OK** to enter.

1. With the ▲▼ buttons select a group and press **OK**.
2. At the appearing Keyboard use the ▲▼◀▶ buttons to highlight desired letters or numbers and press **OK** to insert. After you entered desired group name, highlight **OK** at the keyboard to confirm.
3. Press **EXIT** button to cancel the group rename.

5.2 Installation

5.2.1 Auto Scan

1. Use the ▲▼ buttons to select *Installation*, press **OK** button to enter menu.
2. With the ▲▼ buttons select *Auto Scan*, press **OK** to enter the menu.
3. Press the ◀▶ buttons to change *Scan mode*, and use the ▲▼ to highlight Search, press **OK** to start auto scan.

5.2.2 Channel Scan

1. Use the ▲▼ buttons to select *Installation*, press **OK** to enter the menu.
2. With the ▲▼ buttons to select *Channel Scan* and press **OK** to enter the menu.
3. Use the ◀▶ buttons to select one of two *Scan Modes – By Channel* and *By Frequency*.
4. When *By Channel* is selected use the cursor buttons to select *Scan Band* and *Channel No*. When *By Frequency* is selected use the cursor buttons to select *Frequency* and *Bandwidth*. Select *Network Search* to *ON* or *OFF*,

highlight *Search* and press **OK** to start scan. After Channels are found, they will be stored and receiver switches to the first one saved in the list.

5.2.3 Antenna Setting

1. Press **MENU** to enter main menu.
2. Use the ▲▼ buttons to select *Installation*, press **OK** to enter the menu.
3. With the ▲▼ buttons select *Antenna setting* and press **OK** to enter.
4. Press the ◀▶ buttons to change setting. If *On* is selected, the receiver will provide 5 V antenna power (for active antennas).
5. Press **EXIT** button to exit.

5.2.4 Logical channel numbering

If *LCN* (Logical Channel Number) is activated and LCN signal is provided by operator, then channels will be stored at operator defined order. You can activate/deactivate the *LCN* function by setting the "*LCN Mode*" to *ON*/*OFF*.

5.3 Setup

This menu allows you to set *OSD Language, TV System, Region and Time, Timer Setting, OSD Setting* and *Parental Lock*.

1. Press ▲▼ buttons to highlight desired menu and press **OK** button to enter the setting menus. Then press ▲▼ buttons to select desired item. Settings can be changed by pressing ◀▶ buttons. You can get better overview if press **OK** first. Now you can select desired setting by ▲▼ buttons and confirm it with **OK**.
2. Press **EXIT** button to exit.

5.3.1 OSD Language

This menu allows you to set OSD Language.

5.3.2 TV System

This menu allows to setup different settings concerning your TV set.

Display Mode: *PAL/NTSC/AUTO*

Aspect Ratio: Use this menu to configure the screen aspect between: *4:3 PS* (Pan&Scan), *4:3 LB* (Letter Box) and *16:9* (Wide Screen)and *AUTO*.

Video Output: Switch the video output mode either to *RGB* or to *CVBS*

RF System: Use this option to set the mode for the modulator output to PAL-BG, PAL-I, PAL-DK, or NTSC.

RF Channel: Use this option to select the RF channel for the modulator. Please choose a channel which is not already being used by a local broadcaster or by other equipment in your home to prevent interference.

Loop through: Use this option to set the preferred loop-through mode:

- *Running mode*: The loop-through will be switched off when the receiver is in standby mode.
- *Always*: The loop-through is always *ON*.

Note: Above setting "*Always*" increases the power consumption in standby mode.

5.3.3 Region and Time

Here you can set your region and time zone.

Region: This menu is used for changing the region setting.

GMT Usage: This menu is used for usage of GMT.
The options are: *Off / User Define / By Region*

GMT Offset: This menu is valid only when selected "*User Define*" in GMT Usage menu. The GMT offset range is "-11:30 ~ +12:00", increasing by half hours progressively.

Date/Time: "*Date*" and "*Time*" menus are valid only when selected "*Off*" in GMT Usage menu. Press **OK** then numeric button to change the date and time.

Time Display: This menu allow to control whether the time is displayed on screen or not. The options are: *Off*/*On*.

5.3.4 Timer Setting

In this menu you can set a programme timer, sleep timer and automatic standby.

Programme timer

Timer Number: You can set 8 timers

Timer Mode: *Off/Once/Daily/Weekly/Monthly*

Timer Service: *TV Service/Radio Service*

Wake-up Channel: You can select a desired channel as wake-up channel.

Month/Date/Day: Press ▲▼ buttons to select your desired month, date and day.*Time:* Press **OK** to input the time with the numeric buttons.

Auto Record: Use ◀▶ to adjust *ON* or *OFF*, depending if you want the timer to activate recording via USB device.

Duration: Press **OK** to input desired duration with the numeric buttons.

Quitting the programme timer, a saving window appears, select Yes in the confirmation window with ◀▶ and press **OK** to save or select *No* to cancel.

Sleep Timer
You can set the receiver to switch to Standby in 10, 30, 60, 90 and 120 min automatically. Additionally there is shown the value of remaining time Remains: *HH:MM*

Auto Standby
This option allows you to enable or disable Auto Standby. The default setting for Auto Standby is *ON*. The receiver will switch to standby automatically when it doesn't receive commands from the remote control for three hours. To avoid the automatic switch off, set Auto Standby to *OFF*.

5.3.5 OSD Setting
This menu allows you to change settings for: *Subtitle Display, OSD Transparency,* and *Load Default OSD Setting.*
Subtitle Display: To set the subtitle to *DVB, Teletext or OFF.*
OSD Transparency: To set the OSD transparency from Off ~ 50 %.
Load Default OSD Setting:
To clear all OSD settings and reset to default value.

5.3.6 Parental Lock
This menu allows you to protect the installation menu, or channels with a password and you can change the Password. If you want to enter the menu you will be asked to input the password **(default: 0000)**.
Menu Lock: Locks the installation menu. You can set menu lock to *ON/OFF*.
Channel Lock: *Off/Manual/Age:4 - Age:18*
New Password: To change the password.
Confirm Password: To confirm the new password.

5.4 Tools

Press **MENU** button to enter main menu. Select "*Tools*" and press **OK** button to enter tools menu.
1. Press ▲▼ buttons to highlight the desired menu and press **OK** button to enter.
2. Press **EXIT** button to exit.

5.4.1 Receiver Information
This menu displays some Receiver information like *Hardware, Software, Build Date, Signature and Remote Control* and our Web site *www.strong.tv.*
1. In *Tools menu*, select "*Receiver Information*" and press **OK** button to open receiver information window.
2. Press **EXIT** button to exit.

5.4.2 Games
This menu allows you to play games (Tetris, Snake and Othello) on this receiver.
1. Select "*Games*" in Tools menu and press **OK** button to enter game menu.
2. Press ▲▼ buttons to select a desired game, and press **OK** to enter the game. Highlight "*Start*" and press **OK** to start the game. For changing levels highlight "*Setup*" and use ◀▶ buttons.
3. Press **EXIT** button to quit the game

Note: You can also press **OK** button to pause playing

5.4.3 Load Factory Default
This menu allows you to reset the receiver back to factory settings, clear all existed channels.

Note: This option will delete all your settings and channel lists and set your receiver to factory default!

1. Enter "*Tools*" menu, select "*Load Factory Default*" and press **OK** button, you are asked to input password.
2. Input a correct password using the numeric buttons (**the default password is "0000"**), a confirmation window is displayed.
3. Select "*Yes*" to return back to factory settings and clear all channels. Select "*No*" to cancel.
4. Press **EXIT** button to exit.

5.4.4 Software Upgrade
1. Enter "*Tools*" menu, select "*Software Upgrade*" and press **OK** button, *Software Upgrade* menu is shown.
2. Press ▲▼ buttons to select *"Upgrade by Storage"* item and press **OK** button, you are asked to input password.
3. Input the correct password (**the default password is 0000**), *Software Upgrade* submenu is opened. Then select the correct software file and press **OK** to start. Message will be displayed to confirm update process, select *"Yes"* to confirm or *"No"* to cancel.
4. Press **EXIT** button to exit.

WARNING: After an update the receiver restarts automatically! During this process NEVER disconnect the receiver from the main or switch power *OFF*! This can damage your receiver and will void the warranty!

Note: This receiver has foreseen an over the air update function, which might not be available at your local broadcast conditions. For further details visit our website www.strong.tv or contact your local Serviceline.

5.5 Media+

The "*Media+*" menu consists of following submenus: *Media Player, Record Manager, Removable Disk Information, Record Settings, Safely remove storage device and Format Device.*
Select "*Media+*" and press **OK** button to enter *Media+ menu.*

1. Press **MENU** to enter main menu. Select "*Media+*" and press **OK** to enter *Media+ menu*.
2. Press ▲▼ buttons to highlight desired menu and press **OK** button to enter.
3. Press **EXIT** button to exit.

Use the two button rows in bottom of RCU for Player operation. Description for usage of buttons will be displayed on screen.

5.5.1 Media Player

This function allows you to play MPEG-2, Audio and Photo files from connected USB device

1. In "*Media+*" menu, select "*Media Player*" and press **OK** button to enter Media Player menu.
2. Press ▲▼ buttons to select a desired item, and press **OK** or **PLAY** button to play the desired files.
3. Press **EXIT** button to exit.

5.5.2 Record Manager

This menu allows you to playback the recorded files.

1. In "*Media+*" menu, select "*Record Manager*" and press **OK** to enter *Record Manager menu*.
2. Press ▲▼ to select a desired recording and press **OK** to play back the desired files.
3. Press **EXIT** to exit.

During the playback, it is possible to perform the following actions:
II: to pause the playback. To resume playback, press ▶
▶▶ ◀◀ for fast forward or fast rewind during playback

5.5.3 Removable Disk Information

In this menu you can display information about the storage device.

1. In "*Media+*" menu, select "*Removable Disk Information*" and press **OK** to enter this menu.
2. Press **EXIT** to exit.

5.5.4 Record Settings

This menu allows you to set the time for *Timeshift, define Record Type, set Standby Mode and Record Recovery.*

1. In "Media+" menu, select *Record Settings* and press **OK** to enter this menu.
2. Press ▲▼ to select a desired item and use ◀▶ to change settings.
3. Press **EXIT** to exit.

Timeshift Time(min):
10/20/30/40/50/60
Record Type: *TS/PS*
Standby Mode: *ON/ OFF*
Record Recovery: *ON/ OFF*

5.5.4.1 Time shift and recording functions

Please connect your USB device to the foreseen port of your receiver. Wait a few seconds after the sign for connected device is shown on screen, then you are ready to start Time shift or to record a broadcasted programme.

Time shift
Time shift function allows you to watch a programme in time shifted mode.
Press **II** in viewing mode. Then you can use ◀▶ to move the cursor to the desired time which you want to watch, afterwards press **OK** to confirm. In case the info banner is not shown you just need to press the **INFO** button to call it up/show it again.

Time shift and Record
To perform this action you have to press ● and afterwards **II** button.

Stop Time shift
If you want to stop time shift, press ■

Record
There are 3 different ways to record programmes: *Instant recording, recording from EPG and recording via timer*

Instant recording
In viewing mode press ● to instantly start a record on the current channel.
Press ■ to stop recording. If you press ● again, you can adjust the duration for this record. Insert the time with the numeric buttons and press **OK** to confirm, then press **EXIT** to remove the message.
From EPG
Press the **EPG** button to enter the programme guide, than select an event and channel with the buttons described on screen. Press ● on an event to plan a timer on this event. An icon is then displayed beside the planned event. If you want to remove the planned record you have to press ● again.

Manual scheduling
You can set a record manually via the Timer menu. For details refer to ***chapter 5.3.4 Timer Setting.***

Note: In case the available free space on the USB device is not enough, recording operation of broadcast will stop. Maximum available Time shift setting is 1h. Available record types: TS: Transport stream including teletext, subtitles etc. PS: Program stream for playback by PC or another device.
With SRT 5216 you can record a channel while watching another within the same frequency.

WARNING: Please consider that Time shift needs min. 0,58 GB free space on the USB device and an accurate Time shift function is depending on the speed of the used USB device.

5.5.5 Safely Remove Storage Device
In *"Media+"* menu, select *"Safely Remove Storage Device"* and press **OK** to safely remove the USB device. Then a message is displayed.

5.5.6 Disk Format
1. In "Media+" menu, select *Disk Format* and press **OK** to enter this menu.
   You will see actual used Device and Partition displayed, furthermore the available Capability in GB is shown.
2. Press ▲▼ to select File System and use ◀▶ to change between FAT/NTFS settings.

6.0 OPERATION

6.1 Changing Channels

There are 4 ways of channel selection - stepping through the channel list, selection by number, from the on-screen channel list, and using the electronic programme guide (EPG).

1. **Stepping through the channel list**
   To move through the channel list, press the ▲▼ buttons on the remote control.
2. **Selected by number**
   Enter the channel number directly by pressing numeric buttons, and press the **OK** button to select desired channel.
3. **Selected by on-screen channels list**
   You can also select the required channel directly from on-screen channel list. This is displayed using the receiver's main menu. See *chapter 5.1.1* TV Channel list in this manual for operation detail. Alternatively you can call up channel list by pressing **OK** in viewing mode.
4. **Selected by EPG**
   You can also select the required channel directly from electronic programme guide (EPG). This is displayed by pressing **EPG** button on remote control. See in the below chapter of this manual for operation detail.

6.2 Accessing the Electronic Program Guide (EPG)

1. Press **EPG** button to enter *EPG menu.*
2. Press numeric button **[2]** to switch between channel list, events schedule of the selected channel and now/next events.
3. In the event schedule, press **OK** button to book the selected event, press numeric button **[3]** to open the *Detail menu* for the selected event.
4. Press numeric button **[1]** to open the *Booking list menu*.

6.3 Accessing the favourite channels

1. Press **OK** to enter channel list.
2. Press ◀▶ to select the desired favourite group.
3. Press ▲▼ to select the favourite channel.

A.1 TROUBLESHOOTING

There may be various reasons for the abnormal operation of the receiver. Check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact the dealeror the local Service Hotline. Do NOT open the receiver cover. It may cause a dangerous situation and the warranty will get void.

Problem	Possible cause	What to do
IR sensor light not lit	Mains lead unplugged/multipoint connector switched off Mains fuse blown	Check mains lead /switch multipoint connector on Check fuse
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area Active antenna requires to switch *ON* antenna power/ external feed	Check aerial lead Check aerial Check with dealer Switch receiver's Antenna Power *ON*/ connect external feed
No picture or sound on TV	SCART is not selected on your TV TV or VCR are not connected to main The TV is not tuned to the signal of the receiver	Switch to correct TV input Check mains lead Tune the TV to the receiver signal.
Scrambled channel message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver off Handset not aimed correctly Front panel obstructed Hand set batteries exhausted	Plug in and turn on plug Aim handset at front panel Check for obstructions Replace handset batteries
Forgotten channel lock code		Re-install channels to cancel channel lock
Forgotten menu lock code		Contact local Service Hotline or send email to our Support via www.strong.tv
After moving the receiver to another room you are no longer able to receive digital reception	The aerial feed former new point may come through a distribution system which may reduce the digital signal now received by the box.	Try a direct feed from the antenna
The receiver switches off automatically.	Auto Standby function enabled.	Disable auto standby. See section 5.3.4 for details.

A.2 TECHNICAL SPECIFICATIONS

Demodulator
Demodulator: 16-QAM/64-QAM, QPSK
Transmission mode: 2 K - 8 K

Video Decoder
Profile level: MPEG-2 MP@ML
Video resolution: 720 x 576 pixels (PAL), 720 x 480 (NTSC)
Decoding & Video Out: PAL & NTSC
Aspect ratio: 4:3 Letterbox, 4:3 Pan & Scan, 16:9

Audio Decoder
MPEG MusiCam Layer II
Sampling rate: 32, 44.1, 48 KHz
Audio mode: Stereo, Joint Stereo, Dual Mono, Mono

Tuner
Front End: DVB-T, UHF & VHF Tuner
Input frequency range:
174 ~ 230 MHz (VHF) and
470 ~ 862 MHz (UHF)
Loop through frequency range:
47 ~ 862 MHz
Input signal level: -78 ~ -20 dBm

Memory and System
Flash memory: 1 MByte
SDRAM: 16 Mbytes

RF Modulator
Standard: PAL-BG,-I, DK-\ NTSC
Channels: 21 ~ 69 selectable via OSD

Multimedia
Audio playback: MP3 and WMA formats
Picture view: JPEG and BMP format

Connectors
ANT IN: IEC Female
TO TV (inc. modulator): IEC Male
LOOP IN, LOOP OUT
TV SCART (RGB, CVBS)
VCR SCART (CVBS)
3 RCA (Video, Audio Left & Right)
S/PDIF: coaxial output
USB port

General Data
Supply Voltage:
100 – 240 V AC (SMPS), 50/60 Hz
Power Consumption: 5 W max.
Power consumption in Standby: 1.00 W
Operating Temperature: 0 ~ 40 °C
Storage Temperature: -30 ~ 80 °C
Operating Humidity Range:
10 ~ 85%, RH, Non-condensing
Size (W x D x H) in mm: 230 x 165 x 43
Net-weight: 0.75 kg

09 Mar 2010 14:42